

Converting Colors

CIELCh(63, 75.141, 67.397)

Have a look what the booklet for
CIELCh(63, 75.141, 67.397) contains.

CIELCh(63, 75.137, 67.363)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 75.137, 67.363)

Conversions

Conversions Part 1

Format	Color
Hex	DF8200
RGB	223, 130, 0
RGB Percent	87%, 51%, 0%
CMY	0.1262, 0.4907, 1.0000
CMYK	0.00, 0.42, 1.00, 0.13
HSL	35°, 100%, 44%
HSV	35°, 100%, 87%
XYZ	38.3397, 31.5869, 4.0676
YIQ	142.9870, 97.1580, -20.7140

Conversions

Conversions Part 2

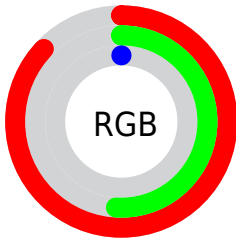
Format	Color
RYB	160, 223, 0
Decimal	14647808
CIELab	63.00, 28.92, 69.35
CIElCh	63, 75.137, 67.363
Yxy	31.5869, 0.5181, 0.4269
Android (android.graphics.Color)	4292837888 (0xFFDF8200)
YUV	142.9870, -70.4926, 70.1714
Hunter-Lab	56.2022, 23.4142, 35.0505

Details

The CIELCh color **63, 75.137, 67.363** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **43, 77.503, 291.697**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 66.549, 75.938**, and **43, 60.386, 60.764** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.095, 67.350**, and if you desaturate by 10%, it is **65, 71.209, 70.095**.

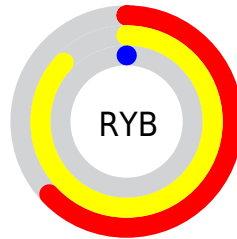
Distribution



Red (87%)

Green (51%)

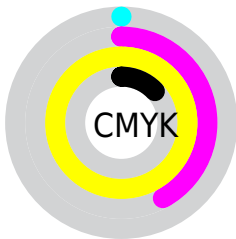
Blue (0%)



Red (63%)

Yellow (87%)

Blue (0%)

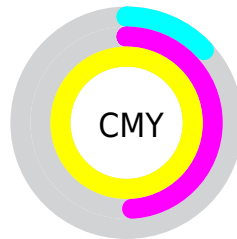


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 75.137, 67.363 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 63, 75.137, 67.363 by changing the saturation by 10% instead.

 63, 75.137, 67.363

 63, 75.137, 67.363

 100, 75.137,
67.363

 53, 75.137, 67.363

 83, 75.137, 67.363

 43, 75.137, 67.363

 93, 75.137, 67.363

 33, 75.137, 67.363

 23, 75.137, 67.363

 13, 75.137, 67.363

 3, 75.137, 67.363

 0, 75.137, 67.363

 63, 75.137, 67.363

 63, 75.137, 67.363

 63, 75.095, 67.350

 65, 71.209, 70.095

67, 65.178, 72.283

70, 57.539, 74.062

72, 49.148, 75.633

75, 40.532, 77.101

77, 31.971, 78.513

80, 23.599, 79.887

83, 15.473, 81.224

86, 7.605, 82.511

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63, 75.137, 67.363



43, 77.503, 291.697

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 75.137, 67.363



63, 75.137, 117.363



63, 75.137, 247.363



63, 75.137, 297.363

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63, 75.095, 67.350



90, 26.337, 79.857



48, 76.328, 9.102



47, 18.093, 79.277



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 75.095, 67.350



71, 83.209, 67.062



85, 87.820, 107.003



46, 4.339, 82.580



50, 62.863, 67.948



12, 19.949, 69.570

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43, 77.503, 291.697



49, 86.509, 292.017



28, 120.530, 306.450



44, 4.295, 265.135



34, 63.889, 291.022



7, 21.601, 281.783

Previews

White Background



This preview shows how the CIELCh color 63, 75.137, 67.363 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 75.137, 67.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 75.137, 67.363

Background



This preview shows how black text looks on a background with the CIELCh color 63, 75.137, 67.363.



This preview shows how white text looks on a background with the CIELCh color 63, 75.137, 67.363.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

63, 75.137, 67.363

Protanopia

63, 64.342, 94.819

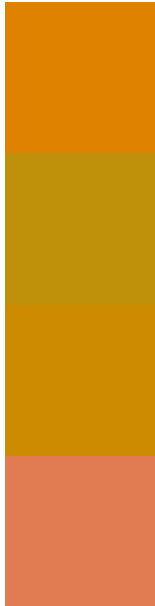
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 44.147, 18.976

Trichromacy



Original Color
63, 75.137, 67.363

Protanomaly
63, 66.085, 83.943

Deuteranomaly
63, 69.828, 76.829

Tritanomaly
63, 53.368, 48.302

Monochromacy



Original Color
63, 75.137, 67.363

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 30.731, 77.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 75.137, 67.363 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 130, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 130, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 75.137, 67.363 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 130, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 130, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 130,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 75.137, 67.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 130, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223,  
130, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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